



LLP-1: RVIEWVQGACRAIRHIPRRIRQGLERIL
SA-5: RVI**R**VVQ**R**ACRAIRHI**V**RRIRQGL**R**RIL
LSA-5: RVI**R**VVQ**R**ACRAIRHI**V**RRIRQGL**R**RIL**RVV**
WLSA-5: **R**W**I**RVVQ**R**W**C**RAIRHI**W**RRIRQGL**R**R**W**L**RVV**

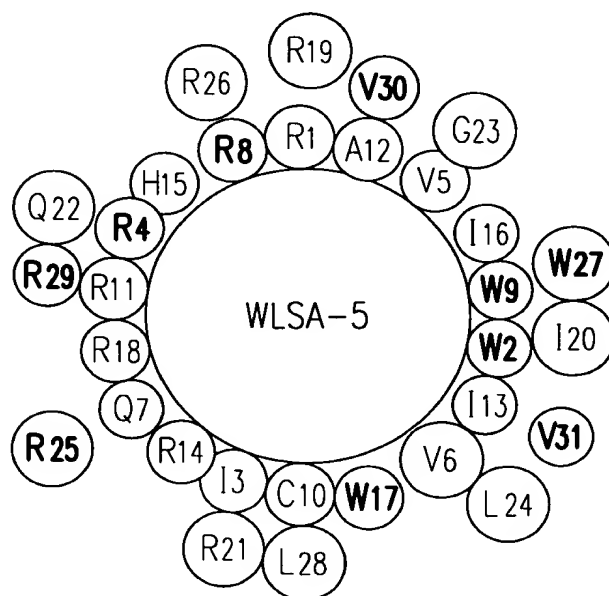
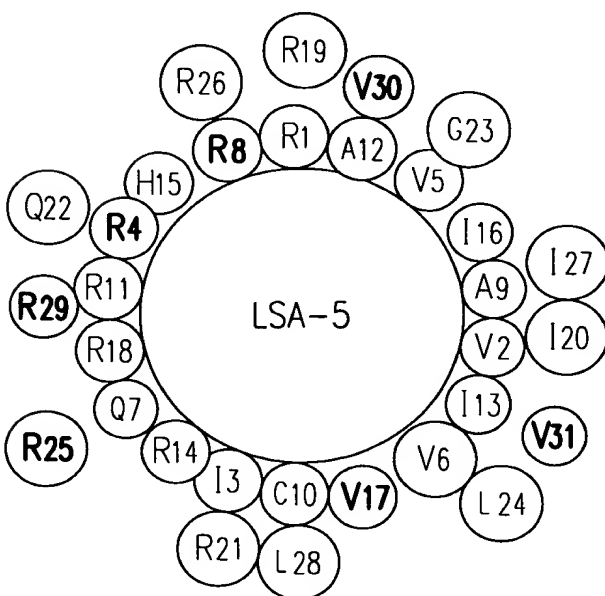
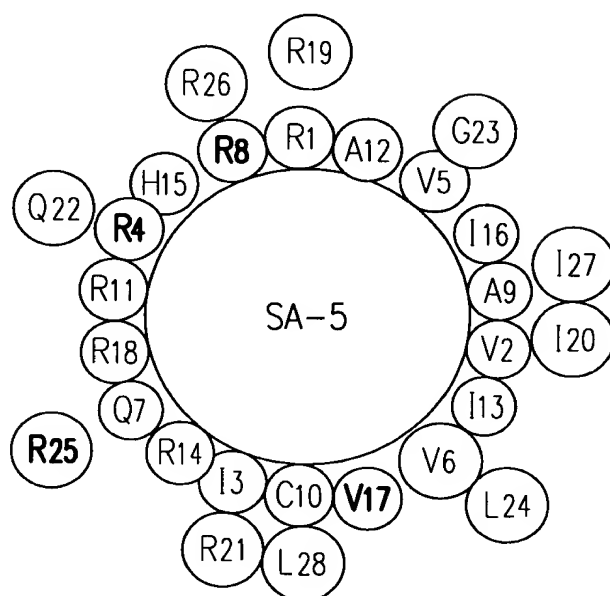
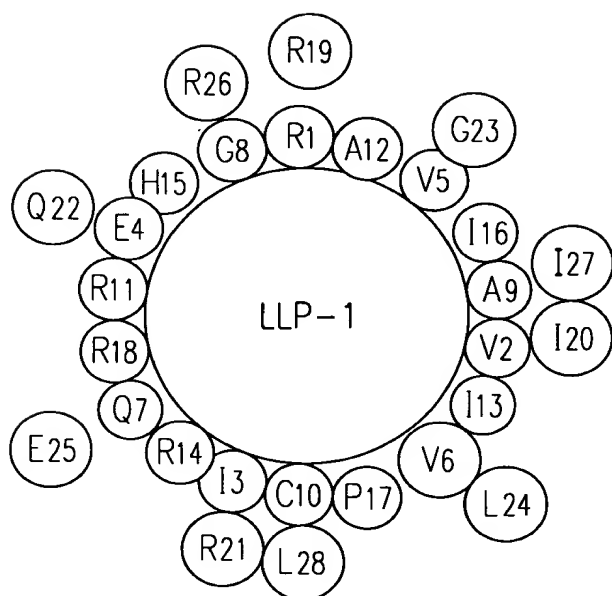


FIG.1

LBU-1 RVRVRRVRR (SEQ ID NO:4)
 LBU-2 RRVRRVRRVRRVRRVRR (SEQ ID NO:5)
 LBU-3 VRRVRRVRRVRRVRRVRRVRRVRR (SEQ ID NO:6)
 LBU-3.5 RRVRRVRRVRRVRRVRRVRRVRRVRR (SEQ ID NO:7)
 LBU-4 RVRVRRVRRVRRVRRVRRVRRVRRVRR (SEQ ID NO:8)
 WLB-1 RVRVRRVRR (SEQ ID NO:9)
 WLB-2 RRVRRVRRVRRVRRVRRVRR (SEQ ID NO:10)
 WLB-3 VRRVRRVRRVRRVRRVRRVRRVRRVRR (SEQ ID NO:11)
 WLB-4 RVRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRRVRR (SEQ ID NO:12)

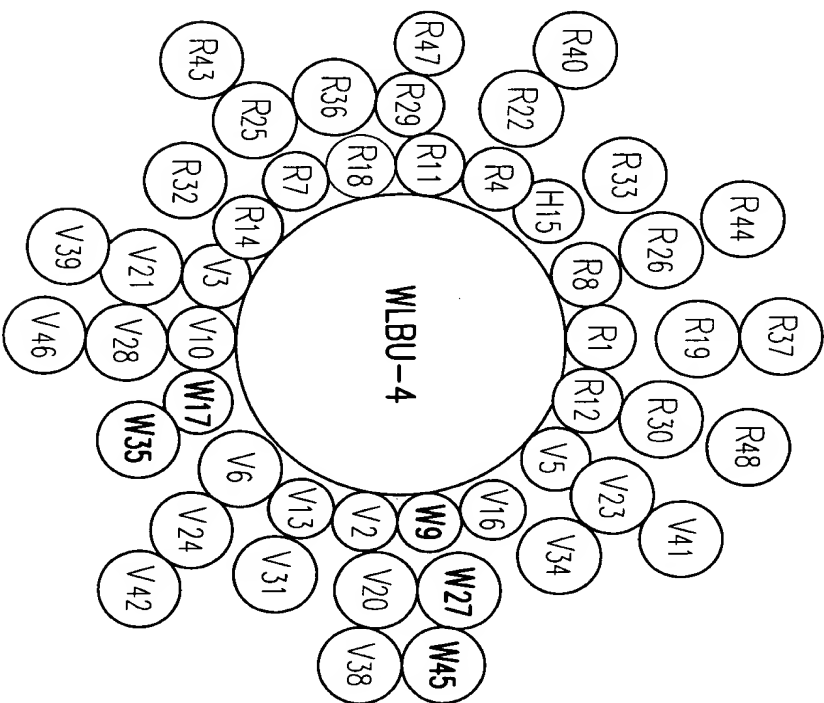
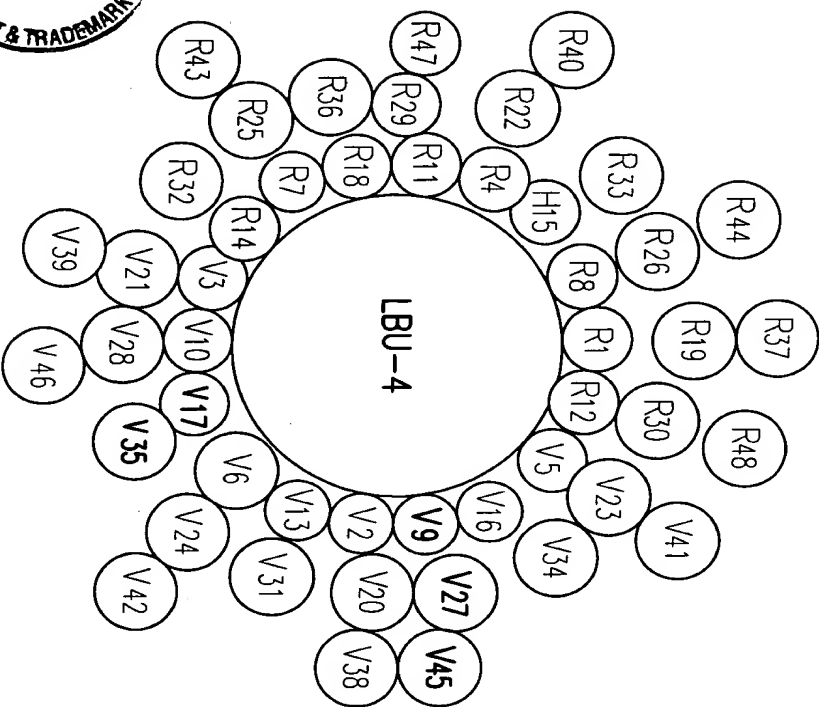


FIG.2



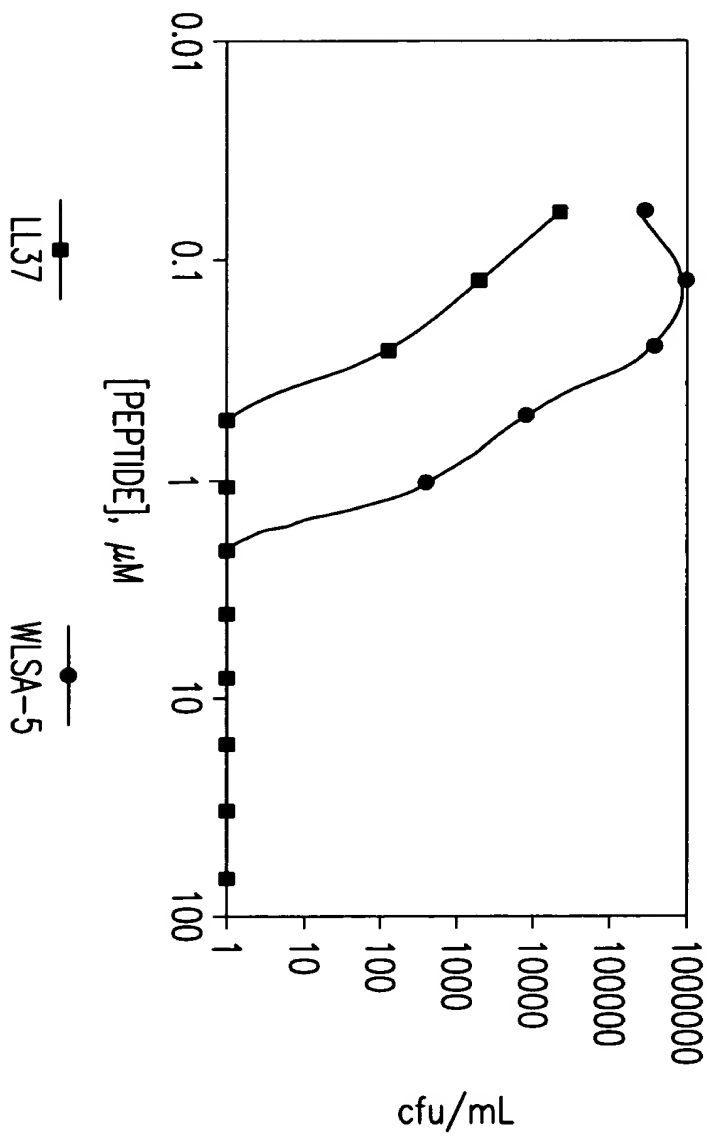
KILLING OF *P. AERUGINOSA* BY LL37 & WLSA-5 IN 10 mM PB

FIG.3



KILLING OF *S. AUREUS* BY LL37 & WLSA-5 IN 10 mM PB PLUS 150 mM NaCl

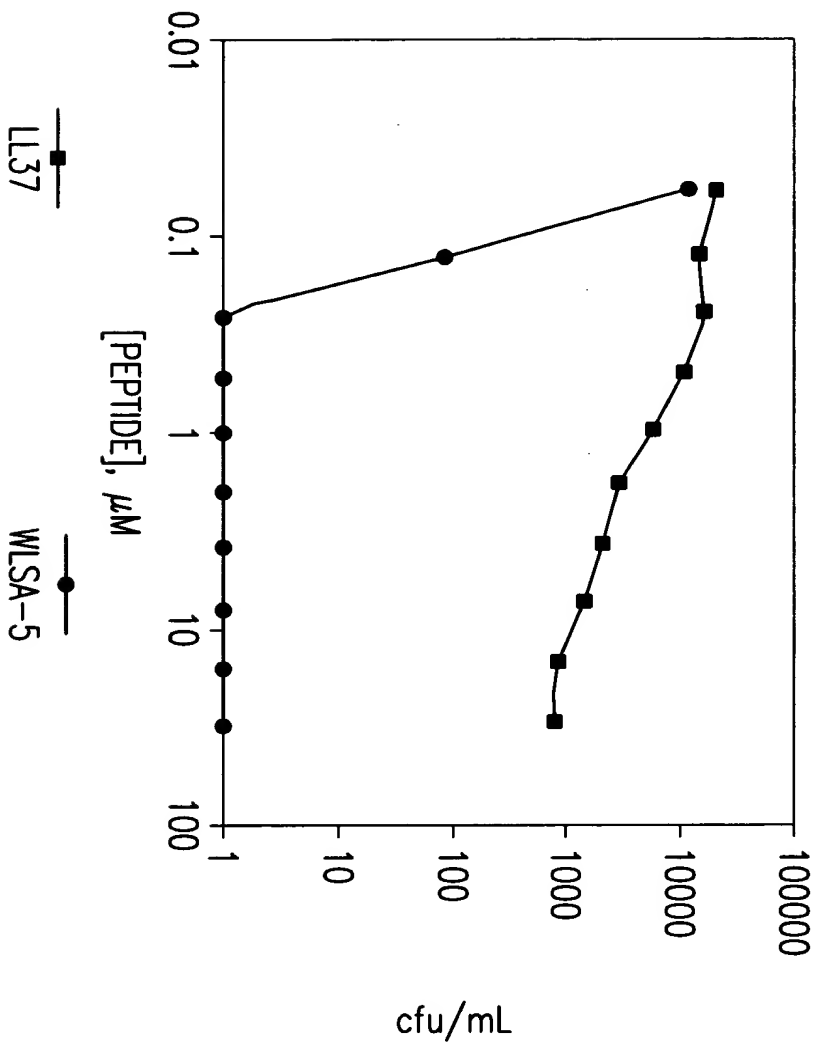


FIG.6



ACTIVITY OF LSA-5 VERSUS WLSA-5 AGAINST *BURKHOLDERIA CEPACIA*

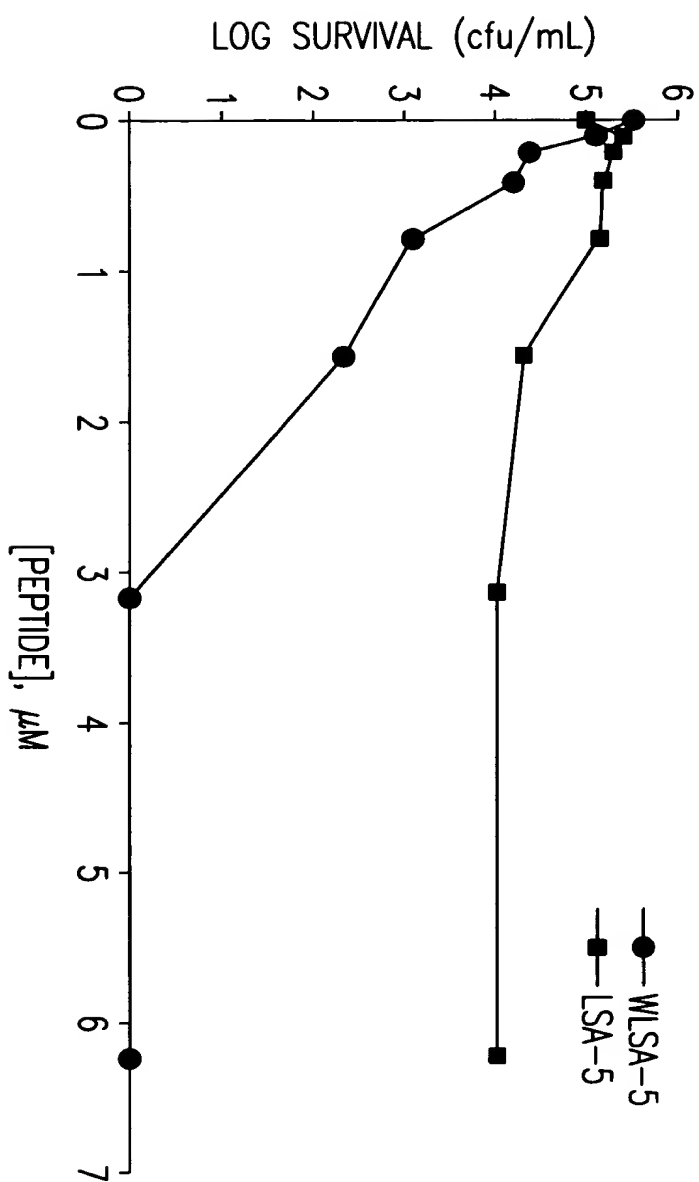


FIG. 7



ANTIBACTERIAL ACTIVITY OF WLSA-5 AND THE HOST DERIVED LL37 AGAINST 10 DIFFERENT STRAINS OF *B. CEPACIA* REPRESENTING MULTIPLE GENOMOVARS.

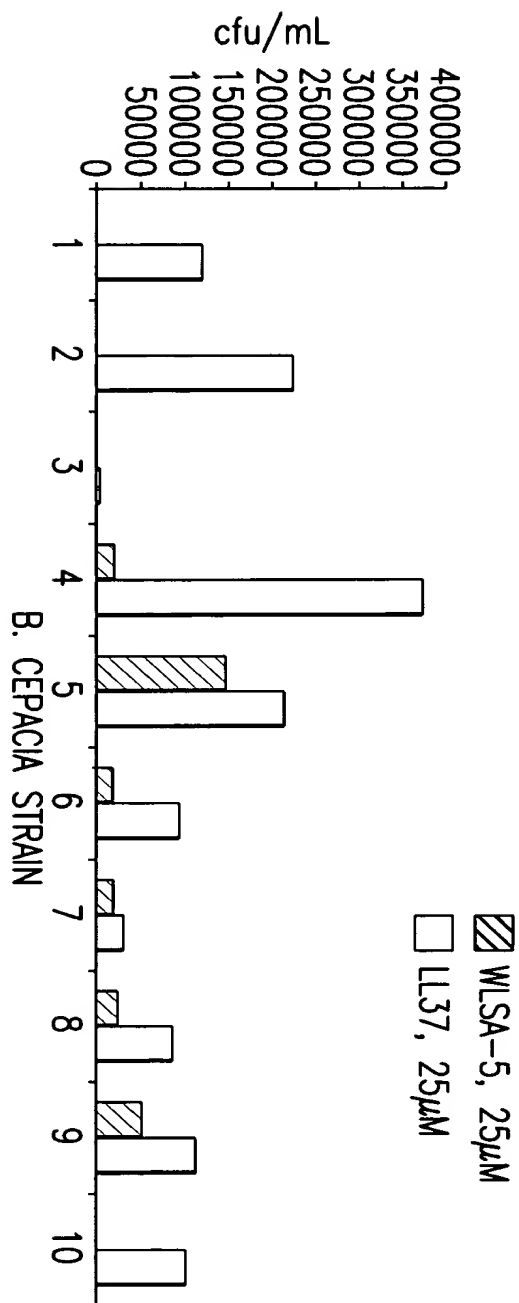


FIG.8



SELECTIVE TOXICITY OF WLSA-5 FOR *P. AERUGINOSA* BOUND TO CF HUMAN
BRONCHIAL EPITHELIAL CELLS IN CULTURE

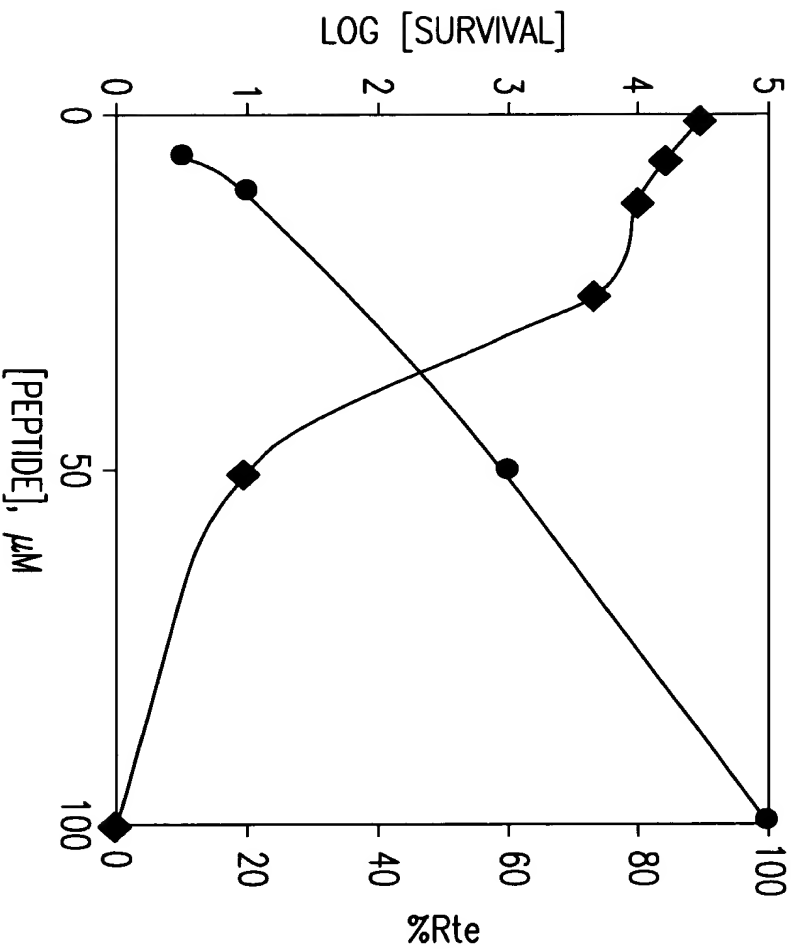


FIG.9



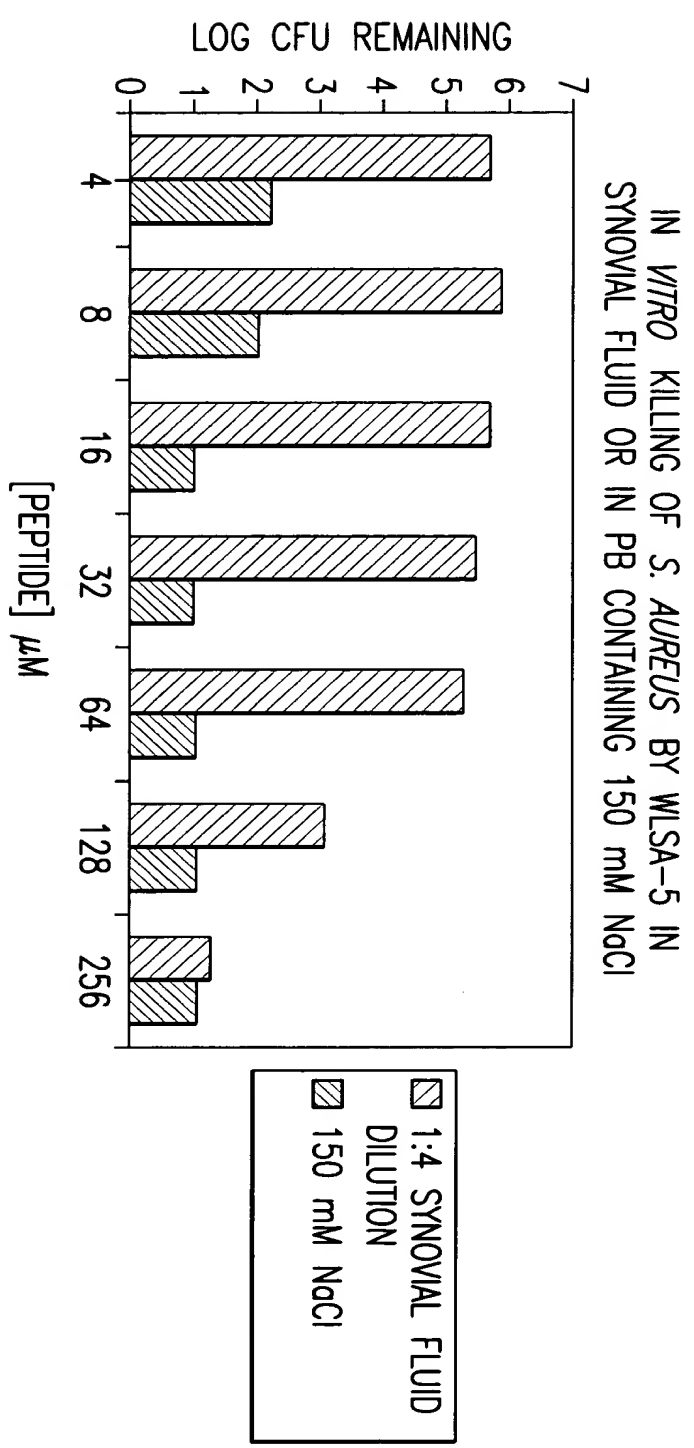


FIG.10

DOSE DEPENDENT DECREASE IN BACTERIAL KILLING RELATIVE TO THE UNTREATED CONTROL

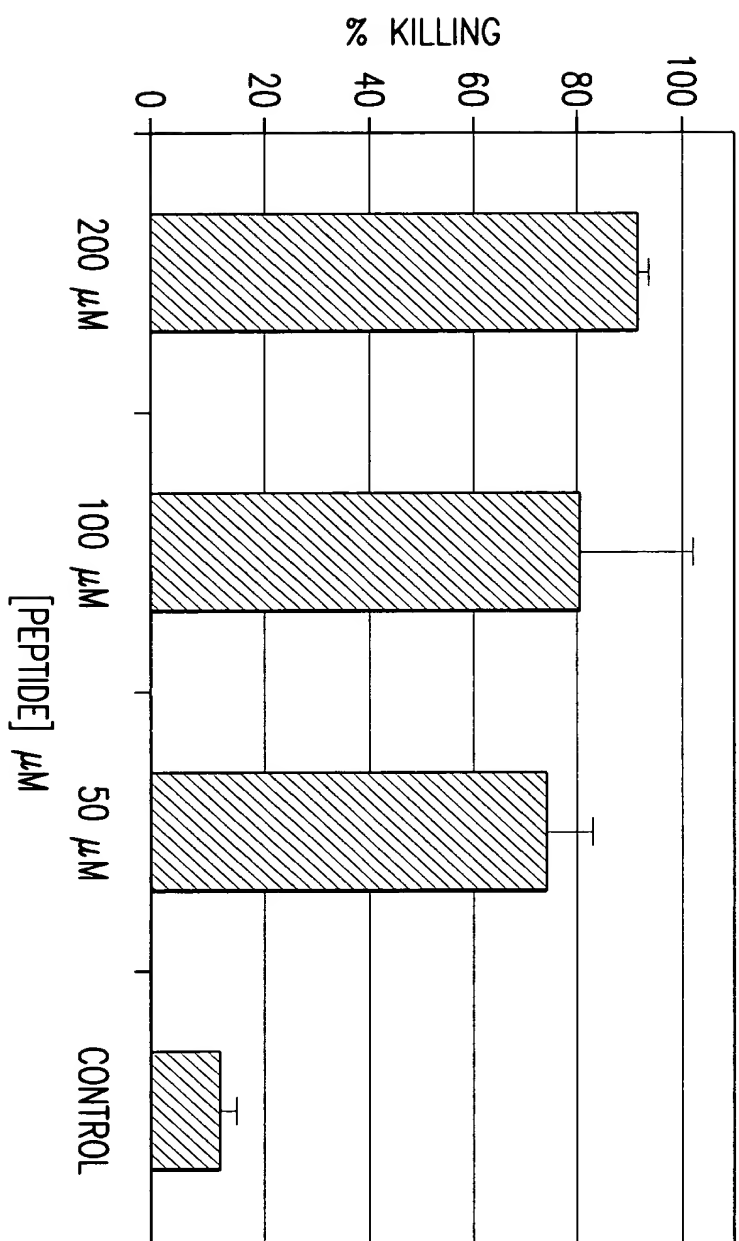


FIG. 11



LSA-5/NEOMYCIN BACTERIAL KILLING IN RABBIT JOINT MODEL

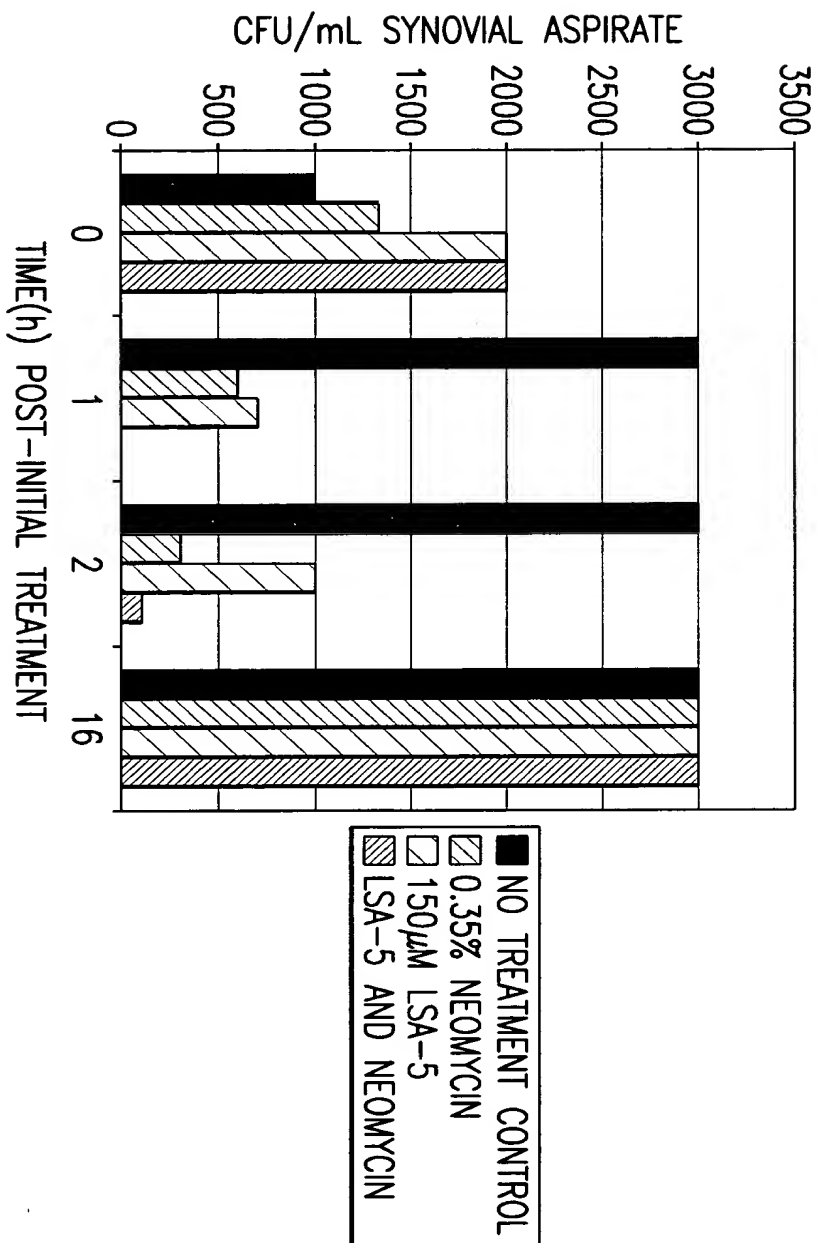


FIG.12



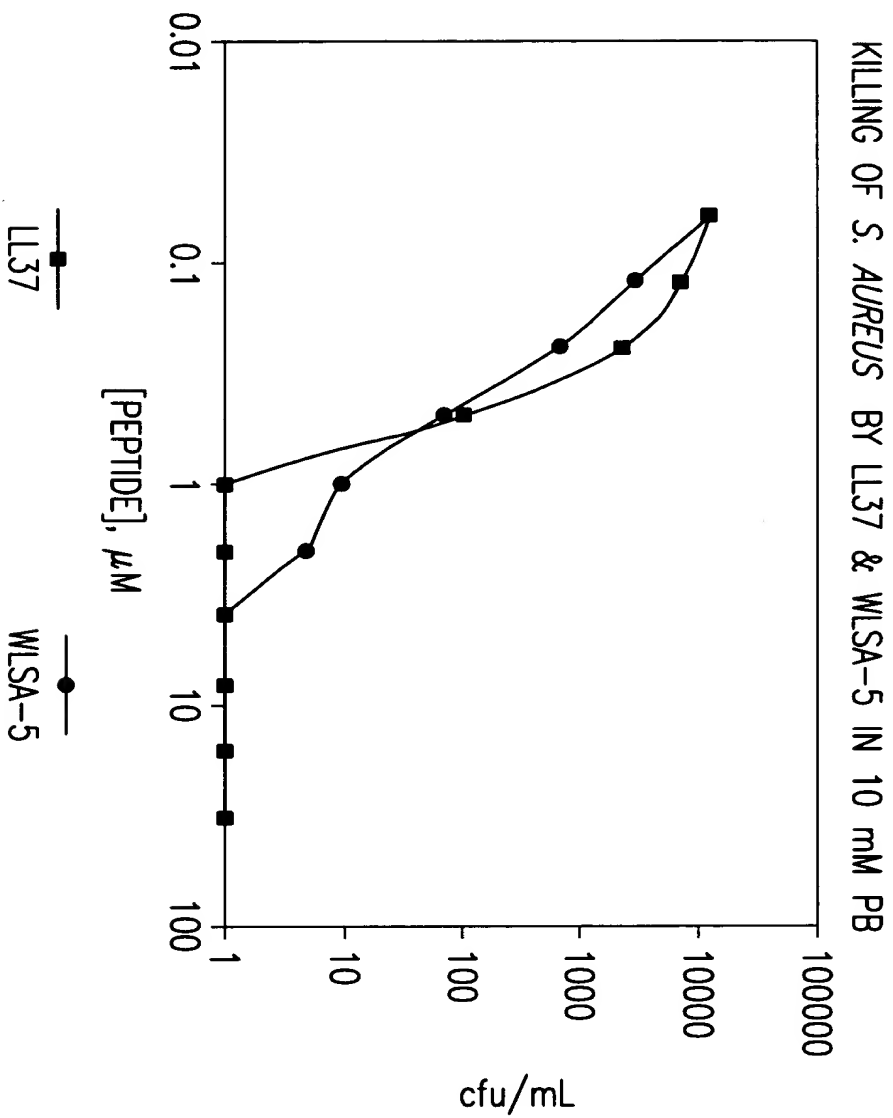


FIG.4



KILLING OF *P. AERUGINOSA* BY LL37 & WLSA-5 IN 10 mM PB PLUS 150 mM NaCl

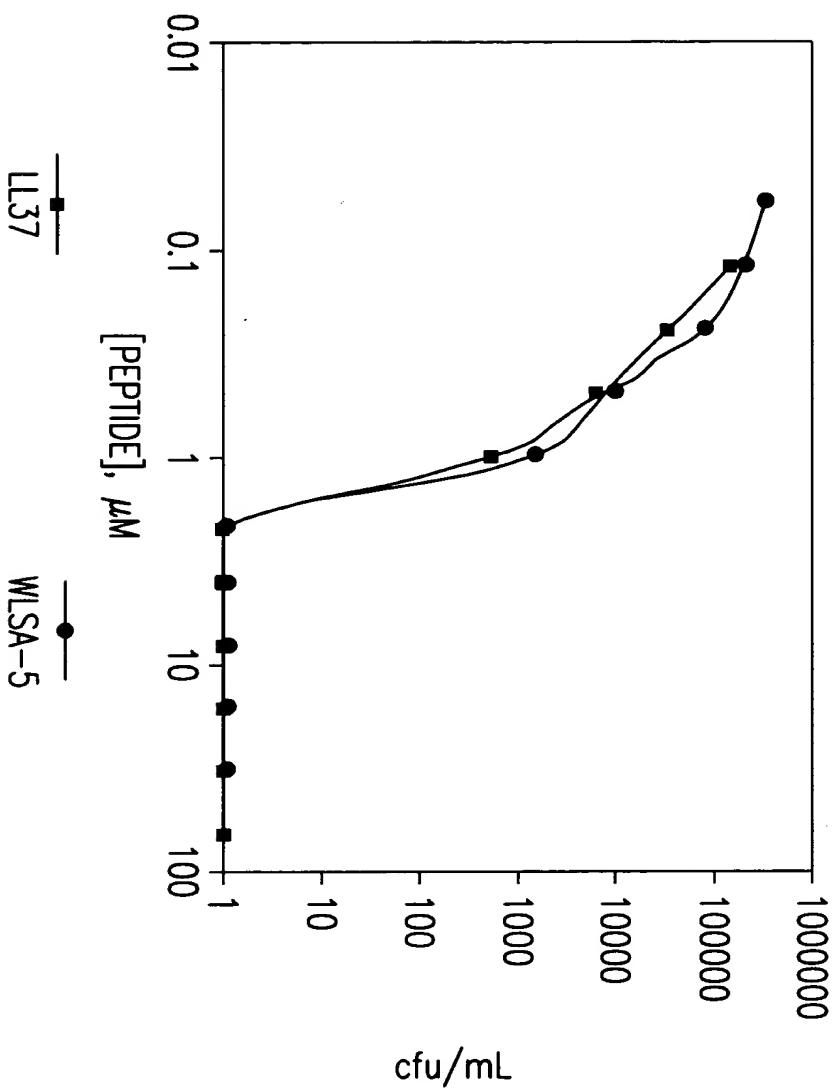


FIG.5

